# WEST

# **End of Result Set**

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L1: Entry 1 of 1

File: USPT

May 1, 2001

DOCUMENT-IDENTIFIER: US 6226418 B1

TITLE: Rapid convolution based large deformation image matching via landmark and volume imagery

#### CT.DR

7. The method of claim 1, wherein the step of computing said large deformation transform further includes the substep of computing a diffeomorphic, non-affine transform.

# CLPR:

9. The method of claim 3, wherein the step of computing said large deformation transform further includes the substep of computing a diffeomorphic, non-affine transform.

## CLPR:

11. The method of claim 5, wherein the step of computing said large deformation transform further includes the substep of computing a diffeomorphic, non-affine transform.



# **End of Result Set**

Generate Collection

File: USPT

L2: Entry 1 of 1

May 1, 2001

DOCUMENT-IDENTIFIER: US 6226418 B1

TITLE: Rapid convolution based large deformation image matching via landmark and volume imagery

#### DEPR:

The method described for fusing landmark information with the image data transformation can be extended from landmarks that are individual points (0-dimensional manifolds) to manifolds of dimensions 1, 2 and 3 corresponding to curves (1 -dimensional), surfaces (2-dimensional) and subvolumes (3-dimensional).

## DEPR:

When the manifold is a sub-volume, M(3), dS is the Lebesgue measure on R.sup.3. For 2-dimensional surfaces, dS is the surface measure on M(2), For 1-dimensional manifolds (<u>curves</u>), dS is the line measure on M(1) and for point landmarks, M(0), dS is the atomic measure. For point landmarks, the Fredholm integral equation degenerates into a summation given by equation (10).

#### CLPR:

7. The method of claim 1, wherein the step of computing said large deformation transform further includes the substep of computing a diffeomorphic, <u>non-affine</u> transform.

# CLPR

9. The method of claim 3, wherein the step of computing said large deformation transform further includes the substep of computing a diffeomorphic, non-affine transform.

# CLPR:

11. The method of claim 5, wherein the step of computing said large deformation transform further includes the substep of computing a diffeomorphic, non-affine transform.

# CLPV:

defining points of a curve in said template image.

# CLPV:

means for defining points of a curve in said template image.

# ORPL

Davatzikos et al., "Brain Image Registration Based on <u>Curve</u> Mapping," IEEE (1994).

# ORPL:

Davatzikos et al., "Adaptive Active Contour Algorithms for Extracting and Mapping Thick <u>Curves</u>," IEEE (1993).

# ORPL:

James M. Balter, et al., "Correlation of projection radiographs in radiation therapy using open <u>curve</u> segments and points," Med. Phys. 19 (2), Mar./Apr. 1992, pp. 329-334.

|   | U | 1 | Document  | t ID | Issue Date | Pages |
|---|---|---|-----------|------|------------|-------|
| 1 | × |   | US 621551 | 6 B1 | 20010410   | 15    |
| 2 | ⊠ |   | US 603156 | 4 A  | 20000229   |       |
| 3 |   |   | US 600240 | 1 A  | 19991214   |       |
| 4 | ⊠ |   | US 585463 | 4 A  | 19981229   |       |

|   | Title  | Current OR | Current XRef         |
|---|--|------------|----------------------|
| 1 | Method and apparatus for monoscopic to stereoscopic image conversion                                   | 348/43     | 345/419<br>; 348/42  |
| 2 | Method and apparatus for monoscopic to stereoscopic image conversion                                   | 348/43     | 345/419<br>; 348/42  |
| 3 | User definable pictorial interface for accessing information in an electronic file system              | 345/839    | 345/473<br>; 345/706 |
| 4 | Computer-assisted animation construction system using source poses  within a pose transformation space | 345/473    |                      |

|   | Retrieval Inventor |                        | s | С | P | 2 | 3 | 4 | 5 |
|---|--------------------|------------------------|---|---|---|---|---|---|---|
| 1 |                    | Ma, Kelvin<br>, et al. |   |   |   |   |   |   |   |
| 2 |                    | Ma, Kelvin<br>, et al. |   |   |   |   |   |   |   |
| 3 |                    | Baker, Michelle        |   |   |   |   |   |   |   |
| 4 |                    | Kroitor, Roman B.      |   |   |   |   |   |   |   |